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NOTICE OF ALLOWANCE AND FEE(S) DUE

513 7590 12/15/2009 WENDEROTH, LIND & PONACK, L.L.P. 1030 15th Street, N.W., Suite 400 East

Washington, DC 20005-1503

EXAMINER				
BUSHEY,	CHARLES S			
ART UNIT PAPER NUMBER				
1797	•			
DATE MAILED: 12/15/200	09			

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/565,386	09/12/2006	Morten Emilsen	2006_0056A	5628

TITLE OF INVENTION: METHOD AND EQUIPMENT FOR MIXING FLUIDS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(8) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	03/15/2010

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further indicated unless correcte maintenance fee notificat	form should be used f correspondence includir d below or directed oth ions.	or tran	smitting the ISSU Patent, advance or in Block 1, by (a							
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)					Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
513 7590 12/15/2009 WENDEROTH, LIND & PONACK, L.L.P. 1030 15th Street, N.W., Suite 400 East					Cer	tificate	of Mailing or Trans 3) Transmittal is being ficient postage for first ISSUE FEE address I) 273-2885, on the d	nission deposite t class m above, c ate indica	ed with the United sail in an envelope or being facsimile sted below.	
Washington, DC 20005-1503										(Depositor's name)
										(Signature)
					L					(Date)
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nonprovisional	NO		\$1510	\$300		\$0		\$1810		03/15/2010
EXAM	INER		ART UNIT	CLASS-SUBCLASS	\neg					
BUSHEY, C	HARLES S		1797	261-077000	_					
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.53), Change of correspondence address (or Change of Correspondence Address form FT05B9122) attached. —Tee Address' indication (or 'Fee Address' Indication form FT05B947; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			Correspondence	(I) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent	inting on the patent front page, list ames of up to 3 registered patent attorneys OR, alternatively, ame of a single firm (having as a member a d attorney or agent) and the names of up to red patent attorneys or agents. If no name is annea will be printed.					
(A) NAME OF ASSIC	ess an assignee is ident n in 37 CFR 3.11. Comp BNEE	ified be oletion	elow, no assignee of this form is NO	data will appear on the transfer of the transf	ne pa	ntent. If an assign assignment. and STATE OR C	OUNT	RY)		
Please check the appropri	ate assignee category or	catego	ries (will not be pr	inted on the patent):	ш	Individual	rporati	on or other private gro	up entity	Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies Advance Order - # of Copies					or credit any					
	SMALL ENTITY state	ıs. See	37 CFR 1.27.					TTY status. Sec 37 Cl		
NOTE: The Issue Fee and interest as shown by the r	I Publication Fee (if req ecords of the United Sta	uired) v tes Pate	vill not be accepted ent and Trademark	d from anyone other the Office.	an th	ne applicant; a regi	stered a	attorney or agent; or th	e assigne	e or other party in
Authorized Signature						Date				
Typed or printed name					Registration N					
This collection of informa an application. Confident submitting the completed this form and/or suggestic Box 1450, Alexandria, V Alexandria, Virginia 223	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC 13-1450.	FR 1.3 U.S.C. USPT rden, sh O NOT	11. The informatic 122 and 37 CFR O. Time will vary lould be sent to the SEND FEES OR	on is required to obtain 1.14. This collection i depending upon the i e Chief Information O COMPLETED FORM	or re s esti ndivi ffice S TC	etain a benefit by t imated to take 12 i idual case. Any co r, U.S. Patent and D'THIS ADDRESS	he publ minutes mment Traden i. SENI	ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Dep D TO: Commissioner	by the Ug gatherine you re gatherine you re gathern of or Paten	USPTO to process) ng, preparing, and equire to complete of Commerce, P.O. ts, P.O. Box 1450,

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1030 15th Street, N.W.,			ART UNIT	PAPER NUMBER		
Suite 400 East		1797				
Washington, DC 20005-1503			TO A CORE TO A CALLET TO THE A CALLET TO A			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 681 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 681 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)	
10/565,386	EMILSEN ET AL.	
Examiner	Art Unit	
Scott Bushey	1797	

— The MAILING DATE of this communication appears on the cover sheet with the correspondence address—
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-35) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to the election and amendment filed 10-23-09.
- 2. The allowed claim(s) is/are 12-16,18,19,21 and 22 (renumbered as 1-9, respectively).
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a)

 All b)

 Some* c)

 None of the:
 - 1.

 Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. _____
 - Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

THIS THREE	MONTH PERIOD IS NOT EXTENDABLE.
noted below.	Failure to timely comply will result in ABANDONMENT of this application.
Applicant has	THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- 5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) 🔲 including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ______.

 Identifying indicts such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-948)
- Information Disclosure Statements (PTO/SB/08).
- Paper No./Mail Date 1-23-06; 9-11-08

 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material
- 5. Notice of Informal Patent Application
- Interview Summary (PTO-413), Paper No./Mail Date .
- 7. X Examiner's Amendment/Comment
- 8. X Examiner's Statement of Reasons for Allowance

9. Other _____.

/Scott Bushey/ Primary Examiner, Art Unit 1797 Application/Control Number: 10/565,386 Page 2

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EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the Claims:

The originally presented claims were the subject of a restriction requirement mailed September 23, 2009. Applicant's response to the requirement filed October 23, 2009 included amendments to the claims, as well as a traversed election to prosecute Group I, original claims 12-17. In view of the amendments to the claims and the arguments presented with the election, the requirement for restriction between the process claims and the apparatus claims is hereby withdrawn and all of the pending claims are examined on the merits herein. Applicant should note that any future filings that present claims that conflict patentably with the claims that are allowed herein would result in an obviousness-type or statutory double patenting rejection, since the restriction requirement has been withdrawn.

REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: The prior art of record fails to disclose or suggest a process or apparatus having a cylindrical mixing chamber arranged along a horizontal axis, wherein the inlet for the combined liquid and gas stream and the outlet for the liquid with dissolved gas therein are both tangentially

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connected to the chamber, and wherein the outlet is connected to a pipe and nozzle means for delivery of the fluid from the chamber to a tank, the nozzle means being submerged in the liquid within the tank. It is noted that the British reference cited by applicant teaches a cylindrical chamber with tangential inlet and outlet means, however, the reference fails to include a nozzle connected to the pipe from the chamber outlet, and fails to suggest submerging the outlet end of the pipe within the liquid of the tank, whether or not a nozzle exists thereon.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CONCLUSION

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to Scott Bushey whose telephone number is 571 272-1153. The examiner can normally be reached on M-Th 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on 571 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Scott Bushey Primary Examiner Art Unit 1797

/S. B./ 12-7-09

/Scott Bushey/ Primary Examiner, Art Unit 1797